

ABSTRACT

According to one embodiment of the invention, a self-serving power producing apparatus capable of being recharged by a charging mechanism is described. The power producing apparatus comprises a rechargeable power source, a motor powered by the rechargeable power source, and a pulley including a first armature rotated by the motor and a second armature. In addition, the power producing apparatus comprises a power unit coupled to the second armature of the pulley. The power unit comprises an alternator to produce direct current (DC) power for recharging the rechargeable power source and a generator to produce a level of alternating current (AC) power.